



Administration of Total Parenteral Nutrition by an Electronic Pump

https://www.youtube.com/watch?time_continue=3&v=0im2OWCjM_g&feature=emb_logo
For additional education please contact your agency for assistance

Four Steps for Performing Infusions:

Practice good hand-washing **1** Prepare supplies **2** Prepare TPN, Start **3** Start and stop infusion **4**

STEP 1: PRACTICE GOOD HAND-WASHING

- Always remember to **WASH YOUR HANDS** for a full 20 seconds when instructed.

STEP 2: PREPARE SUPPLIES

- Review your schedule to determine if you are infusing a fat bag or non-fat bag. Remove your medication from the refrigerator before the infusion so that it can get to room temperature. Gather additives as ordered.
- Check your medication. **WASH HANDS** Clean workspace and SASH mat **WASH HANDS**.
- Gather the following supplies and arrange **above** your SASH mat: 5-10 alcohol pads; 2 prefilled saline syringes; 1 prefilled heparin syringe; 1 TPN bag with attached IV tubing; additives and supplies as noted; medication orders; 1 electronic pump; 1 carrier pouch,; sharps container; small trash bag.
- WASH HANDS**. Unwrap supplies (syringes, medication bag, IV tubing) & place in correct location **on top** of SASH mat.
- Remove any air bubbles from syringes and inspect the medication bag for leaks, damage or discoloration.
- Check the battery level on your pump. Prepare your TPN bag by removing all tags and port covers. **WASH HANDS**.

STEP 3: PREPARE TPN AND ADDITIVES, START TPN

- Draw up additives and inject into the TPN BAG. Remember to double check your orders and start with the smallest volume solution first. Gently swirl the bag. **WASH HANDS**.
- Spike the TPN bag with the infusion tubing careful to not penetrate the TPN bag.
- Load the tubing into the electronic pump. Turn on the pump and review the settings. Prime the tubing.
- WASH HANDS**. Scrub the hub = clean the end cap (hub) by wrapping an alcohol pad over & around the hub for 15 sec.
- Flush your IV line with saline ("pulse flush"). Remove empty saline syringe from the IV line. **WASH HANDS**.
- Scrub the Hub, connect your pump tubing to the hub of your IV line using a "push and twist" motion.

STEP 4: START AND STOP INFUSION

- Open the clamps on your IV line and the pump tubing to allow your medication to infuse.
- Press the "Start" or "OK" button on your pump to start the infusion. Place the pump and TPN into your carrier pouch.
- When pump alarms, hit the stop button and Power button to turn off. **WASH HANDS**. Be sure the infusion is completed. Disconnect from your IV line careful not to remove the blue end cap from the hub.
- Scrub the Hub , Flush your Line saline, Scrub the Hub and flush with Heparin if indicated
- Discard the old TPN bag and tubing, Plug in the electronic pump. **WASH HANDS**.